| Inc | dex | of ( | Clai | ms |
|-----|-----|------|------|----|
|     |     |      |      |    |

| Application No.  | Applicant(s)    |  |
|------------------|-----------------|--|
| 10/733,377       | ICHINOSE ET AL. |  |
| Examiner         | Art Unit        |  |
| Toniae M. Thomas | 2822            |  |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
| • | Interference | 0 | Objected |

| Cla                | aim      |                |          |          |  | Dat      | le       | _            |                |          | ]     | Cla      | aim      |          |        | - 1       | Date     | 3        | -        |          | $\neg$         |          | Cla       | aim        |          |         |              |          | ate            | <del></del> |                 |          |
|--------------------|----------|----------------|----------|----------|--|----------|----------|--------------|----------------|----------|-------|----------|----------|----------|--------|-----------|----------|----------|----------|----------|----------------|----------|-----------|------------|----------|---------|--------------|----------|----------------|-------------|-----------------|----------|
|                    |          | 5              | Γ        |          |  |          |          |              |                | Γ        |       |          |          |          |        | Γ         |          |          |          |          |                | Г        |           |            |          |         |              |          |                |             |                 |          |
| Final              | Original | 1/21/05        |          |          |  |          |          |              |                |          |       | Final    | Original |          |        | İ         |          |          |          |          |                |          | rinal     | Original   |          |         |              |          |                |             | i               |          |
| ۱ ۴                | ō        | 1              |          | 1        |  |          |          |              | ŀ              |          | l     | ш        | <u>6</u> |          |        |           |          |          |          |          |                | ال       | -         | Ö          |          |         |              |          | l              |             |                 | Į        |
| <u> </u>           | 1        | 1              | ├-       | -        | ┼-   | +        | -        | ╁            | -              | ļ        |       |          |          |          | _      | $\vdash$  | $\vdash$ |          | _        | _        | 4              | -        | _         |            |          | $\perp$ | $\dashv$     |          | _              |             | $\vdash$        | _        |
|                    | 14       | H              | ├-       | ⊢        | ⊢  | ╀        | -        | ╁            | ┢              |          | ł     |          | 51<br>52 |          | ╄      | ┼         | <u> </u> |          |          | -        | 4              | -        | -         | 101        |          | _       | -            |          | _              | $\dashv$    |                 | _        |
|                    | 3        | ╂              | ┝╾       | ├        | ┝  | +        | ╁        | -            | ├              | ├        | ł     |          |          |          | +      | ╁         |          | -        | _        | $\dashv$ | -              | -        | $\dashv$  | 102        | $\dashv$ | +       | -            |          |                | $\dashv$    |                 | _        |
|                    | 4        | H              | ╁        | ┢        | ╁  | ┼        | ╆        | ╆            | ┢              | ⊢        | 1     |          | 53<br>54 | +        | ╀╌     | ╁         |          | $\vdash$ | -        | +        | -              | .        |           | 103        |          | +       |              | $\dashv$ |                | $\dashv$    |                 |          |
|                    | 5        | H              | ⊢        | ⊢        | ╁  | ╁        | ╆        | <u> </u>     | -              | _        |       |          | 55       | $\dashv$ | ┼-     | +         |          | $\vdash$ | -        | $\dashv$ | 4              | 1        | $\dashv$  | 104        |          | +       | $\dashv$     | -        | -              |             | $\vdash$        |          |
|                    | 6        | H              | ⊢        | ├        | ╁  | ╁        | ┼        | ╁            | ┝              |          | ľ     |          | 56       |          | +      | ┼-        | Н        | -        | $\dashv$ | +        | $\dashv$       | .        | _         | 105<br>106 | $\dashv$ | +       | $\dashv$     |          | $\dashv$       | $\dashv$    | $\vdash$        |          |
| -                  | 7        | H              | H        | $\vdash$ | ├  | ╁        | +        | <del> </del> | $\vdash$       | ⊢        | 1     |          | 57       | +        | ╁╾     | ╁╌        | H        |          |          |          | ┥`             | $\vdash$ | $\dashv$  | 107        | -+       | +       | $\dashv$     |          | $\dashv$       | $\dashv$    | $\rightarrow$   |          |
|                    | (3)      | Н              | ┢        | -        | ┢  | ╁        | +        | H            | ├              |          | 1     |          | 58       | $\dashv$ | +-     | ╁         |          | -        | -        |          |                | .  -     | $\dashv$  | 108        | -+       | +       | $\dashv$     | ᅱ        |                | $\dashv$    | -               | _        |
|                    | 9        | H              | ┝        | $\vdash$ | t  | +-       | +        | +-           |                |          |       |          | 59       | +        | +      | ╁╴        | $\vdash$ | $\dashv$ | $\dashv$ |          | - -            |          | -         | 109        | -        | 十       | $\dashv$     | $\dashv$ | $\dashv$       |             | $\dashv$        | -        |
| _                  | 10       | H              | ┢        | -        | <del>                                     </del> | 1        | +        | H            | $\vdash$       | $\vdash$ | 1     |          | 60       | +        | ┿      | $\vdash$  |          | $\dashv$ |          | -        | $\dashv$       | $\vdash$ |           | 110        |          | +       | $\dashv$     | ┪        | ÷              | $\dashv$    | $\dashv$        | _        |
|                    | 11       | H              | t        | Ι-       | H  | $t^-$    | $\vdash$ | $\vdash$     | <del>  -</del> | T        | 1     | $\vdash$ | 61       | _        | +      | $\vdash$  | $\vdash$ | $\vdash$ | $\neg$   | +        | $\dashv$       | $\vdash$ | -         | 111        | $\dashv$ | +       | +            | -        | $\dashv$       | $\dashv$    | $\dashv$        |          |
|                    | 12       | $  \uparrow  $ | T        |          | 1  | 1        | †        |              |                | t        | 1     | <b> </b> | 62       | $\dashv$ | +      | $\dagger$ | H        | $\vdash$ |          | -        | $\dashv$       | $\vdash$ |           | 112        | +        | +       | $\dashv$     | $\dashv$ | $\dashv$       | $\dashv$    | $\dashv$        | -        |
|                    | 13       | $\parallel$    | T        |          | T  | $T^-$    | T        | T            | t              | <u> </u> | 50.00 | <b></b>  | 63       | $\dashv$ | +      | t         | Н        | $\vdash$ |          | $\dashv$ | -              | $\vdash$ |           | 113        | +        | +       | $\dashv$     | -        |                | $\dashv$    | $\dashv$        | -        |
| <b> </b>           | 14       | $  \uparrow  $ | Г        | _        | <del>                                     </del> | T        | T        | T            |                | $\vdash$ | 1     |          | 64       |          | +      | 1         | Н        | -        | -        | $\dashv$ | $\dashv$       | $\vdash$ | _         | 114        | $\dashv$ | +       | $\dashv$     | +        | $\dashv$       | ᅱ           | $\dashv$        |          |
|                    | 15       | П              |          |          |  | 1        | 1        | T            |                | Г        | 1     |          | 65       | $\top$   | †      | T         | П        |          |          |          | 7              |          |           | 115        | $\dashv$ | +       | 7            | ┪        | _              | $\dashv$    | $\dashv$        | $\dashv$ |
|                    | 16       | П              |          | П        | Ī  | T        | 1        |              |                |          | 1     |          | 66       | $\top$   | 1      | T         | П        |          |          |          | -              | $\vdash$ |           | 116        | $\dashv$ | $\top$  | 7            | $\dashv$ | $\neg$         | 一           | 十               | _        |
|                    | 0        | П              |          |          |  |          |          |              |                |          | 1     |          | 67       |          | 1      | T         | П        |          |          |          | ╡.             |          |           | 117        | $\top$   | +       | 7            | 寸        | 7              | $\dashv$    | $\neg$          |          |
|                    | 18       | П              |          |          |  |          | Т        |              |                |          |       |          | 68       |          | Т      |           |          |          |          |          | 75             |          | $\neg$    | 118        |          | T       | T            | ヿ        | $\neg$         | ヿ           | 寸               | $\neg$   |
|                    | 19       | 7              |          |          |  |          |          |              |                |          | 5     |          | 69       | T        | Τ      |           | П        |          |          |          |                | -:.      | $\neg$    | 119        |          | T       | 寸            |          | 寸              | コ           | $\neg$          |          |
|                    | 20       |                |          |          |  |          |          |              |                |          |       |          | 70       |          |        |           | П        |          |          |          | -              |          | $\neg$    | 120        |          | T       |              | ヿ        | 寸              | ╗           | $\neg \uparrow$ |          |
|                    | 21       |                |          |          |  |          |          |              |                |          |       |          | 71       |          |        |           | П        |          |          |          | 7              |          | ヿ         | 121        |          |         | 丁            | $\neg$   | ヿ              | ヿ           |                 |          |
|                    | 22       | ٠              | Ŀ        |          | L  |          |          |              |                |          | ]     |          | 72       |          |        |           |          |          |          |          |                |          |           | 122        |          | T       | T            |          | T              | $\neg$      |                 |          |
|                    | 23       |                |          | <u> </u> | L  |          |          |              |                |          |       |          | 73       |          |        | L         |          |          |          |          |                |          |           | 123        |          |         | П            |          |                | 丁           |                 |          |
|                    | 24       |                |          | L.       | <u> </u>   |          |          | <u> </u>     |                | _        |       |          | 74       |          |        |           |          |          |          |          |                |          |           | 124        |          | T       |              |          |                |             |                 |          |
|                    | 25       |                | <u> </u> | _        | <u> </u>   | <u> </u> |          | <u> </u>     | L              | <u> </u> |       |          | 75       |          | ┸      | <u> </u>  |          |          |          |          | ╛              |          | _         | 125        |          |         |              |          |                |             |                 |          |
|                    | 26       |                |          |          | L  | L        | <u> </u> | <u> </u>     |                |          |       |          | 76       | _        | ↓      | _         | Ш        | _        | _        |          | ╝.             |          | _         | 126        | $\perp$  |         | _            |          | $\perp$        | $\Box$      | $\perp$         |          |
|                    | 27       |                |          |          | <u> </u>   | -        | <u> </u> |              | ļ              | _        |       |          | 77       |          | 1      | <u> </u>  |          |          | _        |          | _              | $\perp$  | _         | 127        |          | _       | $\perp$      |          |                |             | ightharpoonup   |          |
| <u> </u>           | 28       |                | <u> </u> |          | -  | _        | ├_       | _            |                | _        |       |          | 78       | $\dashv$ | ┿      | <u> </u>  | $\sqcup$ | $\dashv$ | _        | _        | 4.             | :        | _         | 128        |          | _       | $\downarrow$ | _        | _              | _           | _               |          |
| <u> </u>           | 29       |                | <u> </u> |          | -  | ⊢        | ├        | _            | L              |          |       |          | 79       | _ _      | $\bot$ |           |          |          | _        | _        | 4              | <u> </u> |           | 129        |          | 4       | 4            | 4        | _              | _           | $\dashv$        |          |
|                    | 30<br>31 |                | H        |          | <del> </del>                                     | ├        | <u> </u> | ├            | <u> </u>       |          |       |          | 80       | _        | ╀-     | <u> </u>  | $\Box$   | _        | 4        |          | 4              | _        |           | 130        | _        | _       | 4            | 4        | _              | _           | $\dashv$        | 4        |
|                    | 32       |                |          |          | $\vdash$   | ├        | -        | -            |                |          |       |          | 81<br>82 |          | ╄      | -         | $\vdash$ |          | _        | -        | ┨.             | -        | _         | 131        |          | +       | $\dashv$     | -        | 4              | $\dashv$    | $\dashv$        | $\dashv$ |
| -                  | 33       |                |          | -        | -  | ├        | -        |              |                |          |       |          | 83       |          | +      | ├         | -        |          |          | +        | - 1            | ⊢        |           | 132        | $\dashv$ | +       | +            | $\dashv$ | -              | $\dashv$    | $\dashv$        | 4        |
|                    | 34       |                |          | -        | ┢  | +        | $\vdash$ | -            | -              |          |       |          | 84       | +        | +      | $\vdash$  | $\vdash$ | $\dashv$ |          |          | $\dashv$       | -        | +         | 133<br>134 | +-       | +       | +            | $\dashv$ | $\dashv$       | $\dashv$    | $\dashv$        |          |
| $\vdash$           | 35       |                |          | -        |  | $\vdash$ |          | $\vdash$     |                |          |       |          | 85       | +        | ╁      | -         | $\vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$       | $\vdash$ | $\dashv$  | 135        | +        | +       | +            | +        | $\dashv$       | $\dashv$    | $\dashv$        | $\dashv$ |
| H                  | 36       |                |          | —        | Ι  | $\vdash$ |          | -            | H              | _        |       |          | 86       | +        | +      | $\vdash$  | $\vdash$ | +        | -        | $\dashv$ | $\dashv \cdot$ | $\vdash$ | +         | 136        | +        | +       | +            | $\dashv$ | $\dashv$       | -           | $\dashv$        | $\dashv$ |
|                    | 37       |                |          | _        | <del>                                     </del> | $\vdash$ | H        |              | $\vdash$       |          |       |          | 87       | +        | +-     | $\vdash$  | $\vdash$ | +        | ᅱ        | +        | $\dashv$       | $\vdash$ | $\dashv$  | 137        | $\dashv$ | +       | +            | $\dashv$ | $\dashv$       | $\dashv$    | $\dashv$        | 4        |
|                    | 38       |                |          |          | $\vdash$   |          | <b> </b> |              |                |          |       |          | 88       | _        | +      |           | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | ┥.             | .        | $\dashv$  | 138        | +        | +       | +            | -        | $\dashv$       | $\dashv$    | +               | $\dashv$ |
|                    | 39       |                |          |          |  | H        | T        |              | Н              |          |       |          | 89       |          | +      | H         | H        | $\dashv$ | $\dashv$ | -        | 1:             | 4        | $\dashv$  | 139        | +        | +       | +            | $\dashv$ | $\dashv$       | $\dashv$    | +               | $\dashv$ |
|                    | 40       |                |          |          | <del>                                     </del> |          |          | П            |                |          | : 1   |          | 90       | $\dashv$ | +      |           | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | ┪.             | -        | +         | 140        | $\dashv$ | +       | +            | $\dashv$ | -+             | $\dashv$    | +               | $\dashv$ |
|                    | 41       |                |          |          |  | Ì        | 1        |              |                |          |       |          | 91       | $\dashv$ | 1      | Т         | $\dashv$ | _        | $\dashv$ | +        | ٦.             | $\vdash$ | $\dashv$  | 141        | +        | +       | $\dashv$     | $\dashv$ | $\dashv$       | $\dashv$    | +               | $\dashv$ |
|                    | 42       |                |          |          |  |          | П        |              |                |          | £ .   |          | 92       | $\top$   | T      | Г         |          | $\dashv$ | $\neg$   | 1        | -              |          | $\dashv$  | 142        | _        | +       | $^{\dagger}$ | 7        | -+             | $\dashv$    | $\dashv$        | $\dashv$ |
|                    | 43       |                |          |          |  |          | L        |              |                |          |       |          | 93       |          | T      | Π         |          |          |          |          | 1              |          | $\exists$ | 143        |          | $\top$  | $\top$       | $\dashv$ | _              | $\dashv$    | 十               | $\dashv$ |
|                    | 44       |                |          |          |  |          |          |              |                |          | i . ' |          | 94       |          |        |           |          | 一        | $\dashv$ |          | ٦              |          | $\dashv$  | 144        | $\top$   | 十       | 7            | $\dashv$ | $\dashv$       | 寸           | $\dashv$        | _        |
|                    | 45       |                |          |          | L  |          |          |              |                |          |       |          | 95       |          |        |           |          |          | _†       |          | 7              |          | $\dashv$  | 145        | $\neg$   | 1       | 1            | 7        | $\neg \dagger$ | 寸           | $\dashv$        | ᅥ        |
|                    | 46       |                |          |          |  |          |          |              |                |          |       |          | 96       | $\perp$  |        |           |          |          |          |          | 1              |          | 7         | 146        | $\dashv$ | $\top$  | $\top$       | 7        | _              | $\neg$      | ヿ               | ヿ        |
|                    | 47       |                |          |          |  |          |          |              |                |          |       |          | 97       |          |        |           |          | J        | $\Box$   |          | ]              |          |           | 147        |          | J       | $\top$       | T        |                | $\neg$      | $\neg$          |          |
|                    | 48       |                |          |          | L  | _        | Ш        |              |                |          | - [   |          | 98       |          |        |           |          | $\Box$   | $\Box$   |          |                |          |           | 148        |          |         |              |          |                | 丁           |                 | _        |
|                    | 49       |                |          |          | L  | L_       | Щ        | Ш            |                |          |       | ]        | 99       |          | L      |           |          | $\Box$   | $\Box$   |          |                |          | I         | 149        | Ι        | Ι       |              |          |                |             | J               | ┚        |
| $ldsymbol{\sqcup}$ | 50       |                |          |          | Щ  | L        | L        |              |                |          | Į     |          | 100      | _1_      | i      | 1         | - 1      | ı        |          |          | 1              |          | - [       | 150        | - 1      | 1       | ľ            | ſ        | Т              |             | T               | T        |